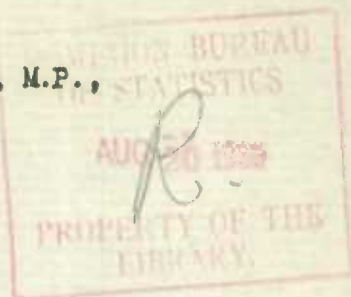


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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS - CANADA
INTERNAL TRADE BRANCH



(Issued August 19, 1935)

Dominion Statistician: R.H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
Chief, Internal Trade Branch: Herbert Marshall, B.A., F.S.S.
Prices Statistician: H.F. Greenway, M.A.

WEIGHTED INDEX NUMBERS OF 23 MINING STOCKS
(1926=100)

Both gold and base metals groups moved lower during the past week. Accordingly the index number of total mining stocks was 115.9 for the week of August 15th, as compared with 116.6 for the preceding week. For the same week in 1934 this index was 141.7.

Nineteen gold stocks showed a fractional loss of 0.7 points, having moved downward from 107.8 for the week of August 8th to 107.1 for the following week. This index was 137.5 for the corresponding week last year.

Slight losses in the base metals stocks caused the index to drop from 154.3 for the week of August 8th to 153.4 for the week ending August 15th. This number compared with 164.0 for the week of August 16th, 1934.

Following is a comparative table of prices as compiled by the Dominion Bureau of Statistics, giving the quotations for the weeks August 16th, 8th, 1935, and August 16th, 1934.

<u>GOLD</u>	<u>1935</u>	<u>1935</u>	<u>1934</u>
	<u>August 15th</u>	<u>August 8th</u>	<u>August 16th</u>
	\$	\$	\$
Bralorne	5.05	5.38	15.62
Central Manitoba	.04	.05	.09
Coniarum	1.76	1.86	1.27
Dome	37.19	37.29	43.70
Granada	.20	.20	.62
Hollinger	13.72	13.63	18.94
Howey	.76	.77	1.25
Kirkland Lake	.36	.36	.55
Lake Shore	50.12	50.33	53.73
Macassa	1.37	1.37	2.65
McIntyre	37.04	38.12	47.30
Premier	1.44	1.44	1.29
Pioneer	9.85	10.06	12.92
Reno	1.10	1.14	.93
San Antonio	3.40	3.43	5.58
Siscoe	2.64	2.64	2.48
Sylvanite	2.08	2.07	2.70
Teck-Hughes	4.00	4.02	6.76
Wright-Hargreaves	7.31	7.39	9.63

BASE METALS

Base Metals	.56	.60	1.05
Falconbridge	3.95	3.96	3.79
Hudson Bay	15.24	15.46	13.91
Noranda	37.79	37.84	42.90

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
DIVISION OF ORGANIC CHEMISTRY
CHICAGO, ILL. 60637

October 10, 1961

Dr. R. M. Waymouth
Department of Chemistry
University of California
San Diego, La Jolla, California

REPLY TO YOUR LETTER OF OCTOBER 5, 1961

I am sorry that I cannot give you a more definite answer at this time. The reaction you are referring to is indeed a very interesting one, and we are currently studying it. The mechanism of the reaction is still under investigation, but it appears to involve a transition state which is quite different from the one proposed by you. We will be glad to discuss this further if you are interested.

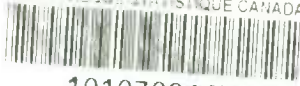
Run	Time	Yield	Notes
1	10 min	10%	Control
2	20 min	20%	Control
3	30 min	30%	Control
4	40 min	40%	Control
5	50 min	50%	Control
6	60 min	60%	Control
7	70 min	70%	Control
8	80 min	80%	Control
9	90 min	90%	Control
10	100 min	100%	Control
11	110 min	110%	Control
12	120 min	120%	Control
13	130 min	130%	Control
14	140 min	140%	Control
15	150 min	150%	Control
16	160 min	160%	Control
17	170 min	170%	Control
18	180 min	180%	Control
19	190 min	190%	Control
20	200 min	200%	Control

INDEX NUMBERS OF TWENTY-THREE MINING STOCKS
(1926=100)

	Gold	Base Metals	Total Index
<u>+1928</u> - High	19	4	23
Low	137.2	322.2	138.6
	75.4	105.7	107.3
<u>+1929</u> - High	89.7	318.0	127.9
Low	52.7	157.3	72.6
<u>+1930</u> - High	66.7	203.1	88.3
Low	53.3	56.4	56.7
<u>+1931</u> - High	79.5	108.3	85.4
Low	54.4	49.9	54.8
<u>+1932</u> - High	63.1	82.3	64.8
Low	48.5	42.5	46.8
<u>+1933</u> - High	111.9	144.1	116.7
Low	64.9	68.2	65.1
<u>+1934</u> - High	140.1	167.6	143.3
Low	103.1	125.0	107.3
<u>1934</u>			
June	133.4	163.2	138.5
July	133.3	158.3	137.2
August	137.4	161.7	141.1
September	136.7	154.9	139.2
October	132.9	141.4	133.5
November	125.7	129.0	125.5
December	124.7	129.6	124.9
<u>1935</u>			
January	123.2	132.4	124.3
February	123.4	131.2	124.2
March	127.5	135.3	128.2
April	124.5	149.1	128.7
May	121.4	159.2	128.3
June	116.3	153.2	123.0
July	110.1	151.9	117.9
<u>Weekly Index Numbers</u>			
<u>1934</u>			
Week ending August 16th	137.5	164.0	141.7
<u>1935</u>			
Week ending July 4th	112.1	149.0	118.8
" " " 11th	110.8	150.1	118.0
" " " 18th	109.4	152.2	117.4
" " " 25th	109.1	153.4	117.4
" " August 1st	109.2	154.8	117.8
" " " 8th	107.8	154.3	116.6
" " " 15th	107.1	153.4	115.9

+ Weekly figures.

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